



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 15253

OK

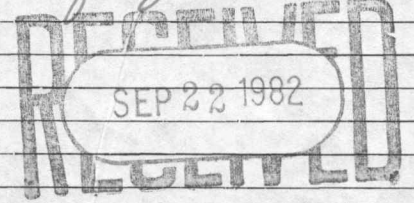
P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1934 G.L. Formation Marmaton Eff. Pay - Ft.

District Pratt Date 9/21/82 Customer Order No. -
COMPANY NAME Petx Petroleum Corporation 1616 Glen Elm Place
ADDRESS 1700 Security Life Bldg Denver, Co. 80202
LEASE AND WELL NO. McKenzie #1 COUNTY Barber STATE Ks Sec. 14 Twp. 30 Rge. 14U
Mail Invoice To Same #1 MCKENZIE No. Copies Requested 5
Co. Name Address
Mail Charts To Same No. Copies Requested 5
Address

Formation Test No. Interval Tested From 4480 ft. to 4505 ft. Total Depth 4505 ft.
Packer Depth 4475 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 4480 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4494 ft. Recorder Number 2667 Cap. 4150
Bottom Recorder Depth (Outside) 4497 ft. Recorder Number 3351 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor H-30 Rig #3 Drill Collar Length 180 I. D. 2 1/4 in.
Mud Type Premix Viscosity 43 Weight Pipe Length - I. D. - in.
Weight 9.7 Water Loss 9.6 cc. Drill Pipe Length 4271 I. D. 3.8 in.
Chlorides 12,500 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
Jars: Make WTC Serial Number 410 Anchor Length 25 ft. Size 5 1/2 OD in.
Did Well Flow? Yes Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 1/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout flow periods
Gas to surface in 3 min on second flow period
Recovered 90 ft. of Gas Cut Mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:



Time On Location 2:30 A.M. Time Pick Up Tool 4:30 P.M. Time Off Location 1:30 P.M.
Time Set Packer(s) 6:50 A.M. Time Started Off Bottom 10:20 P.M. Maximum Temperature 125°
Initial Hydrostatic Pressure (A) 2310 P.S.I.
Initial Flow Period Minutes 30 (B) 84 P.S.I. to (C) 73 P.S.I.
Initial Closed In Period Minutes 45 (D) 1353 P.S.I.
Final Flow Period Minutes 45 (E) 95 P.S.I. to (F) 73 P.S.I.
Final Closed In Period Minutes 90 (G) 1542 P.S.I.
Final Hydrostatic Pressure (H) 2289 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made. All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Jerry McLeod
Signature of Customer or his authorized representative
Western Representative Jim Wondra Thank You

FIELD INVOICE

Open Hole Test \$ 475.00
Misrun \$
Straddle Test \$
Jars \$ 300.00
Selective Zone \$
Safety Joint \$ 65.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$ 1040.00

No signed work under recall



Nº 3274

GAS FLOW REPORT

Date 9/21/82 Ticket 15253 Company Petx Petroleum
 Well Name and No. McKenzie #1 Dst No. 1 Interval Tested 4480-4505
 County Barber State Ks Sec. 14 Twp. 30 Rg. 14

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
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PRE FLOW

SECOND FLOW

Gas to surface in 3 min

5	7 H ₂ O	1/2"			16,700 C.F.P.D
15	"	"			"
25	8 "	"			17,200 "
35	9 "	"			18,800 "
45	"	"			"

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date: 9-21-82 Test Ticket No. 15253
 Recorder No. 2607 Capacity 4150 Location 4494 Ft.
 Clock No. --- Elevation 1934 GL Well Temperature 125 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2308</u> P.S.I.		<u>6:50 A</u> M	
B First Initial Flow Pressure	<u>79</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>79</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1350</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>82</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>93</u> Mins.
F Second Final Flow Pressure	<u>82</u> P.S.I.			
G Final Closed-in Pressure	<u>1550</u> P.S.I.			
H Final Hydrostatic Mud	<u>2287</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.	of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>16</u> Inc.	of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>9</u> Inc.	of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>31</u> Inc.	of <u>3</u> mins. and a final inc. of <u>0</u> Min.
Point Mins.	Point Press.	Point Minutes	Point Press.	Point Minutes	Point Press.	Point Minutes	Point Press.
P 1 0	<u>79</u>	0	<u>79</u>	0	<u>82</u>	0	<u>82</u>
P 2 5		3	<u>241</u>	5		3	<u>301</u>
P 3 10		6	<u>377</u>	10		6	<u>443</u>
P 4 15		9	<u>508</u>	15		9	<u>579</u>
P 5 20		12	<u>632</u>	20		12	<u>708</u>
P 6 25		15	<u>723</u>	25		15	<u>817</u>
P 7 30	<u>79</u>	18	<u>827</u>	30		18	<u>918</u>
P 8 35		21	<u>922</u>	35		21	<u>1004</u>
P 9 40		24	<u>996</u>	40		24	<u>1087</u>
P10 45		27	<u>1066</u>	45	<u>82</u>	27	<u>1145</u>
P11 50		30	<u>1125</u>	50		30	<u>1204</u>
P12 55		33	<u>1179</u>	55		33	<u>1249</u>
P13 60		36	<u>1227</u>	60		36	<u>1292</u>
P14		39	<u>1270</u>	65		39	<u>1329</u>
P15		42	<u>1307</u>	70		42	<u>1363</u>
P16		45	<u>1341</u>	75		45	<u>1387</u>
P17		48	<u>1350</u>	80		48	<u>1405</u>
P18		51		85		51	<u>1420</u>
P19		54		90		54	<u>1439</u>
P20		57				57	<u>1454</u>
		60				60	<u>1469</u>

Cont'd

WESTERN TESTING CO., INC.

Pressure Data

Date _____ Test Ticket No. 15253
 Recorder No. _____ Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A	Initial Hydrostatic Mud _____ P.S.I.	Open Tool _____	M _____
B	First Initial Flow Pressure _____ P.S.I.	First Flow Pressure _____	_____ Mins. _____ Mins.
C	First Final Flow Pressure _____ P.S.I.	Initial Closed-in Pressure _____	_____ Mins. _____ Mins.
D	Initial Closed-in Pressure _____ P.S.I.	Second Flow Pressure _____	_____ Mins. _____ Mins.
E	Second Initial Flow Pressure _____ P.S.I.	Final Closed-in Pressure _____	_____ Mins. _____ Mins.
F	Second Final Flow Pressure _____ P.S.I.		
G	Final Closed-in Pressure _____ P.S.I.		
H	Final Hydrostatic Mud _____ P.S.I.		

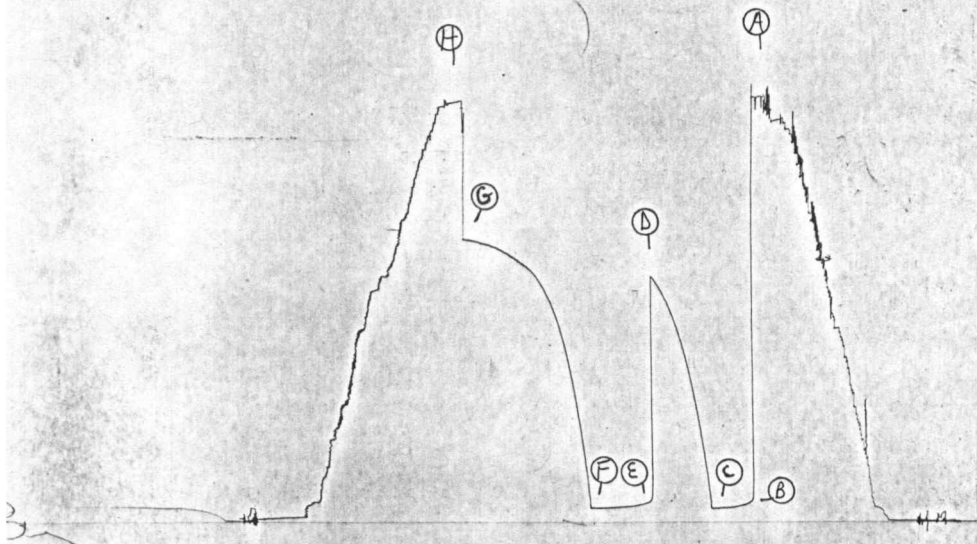
PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Press.	Point Minutes
P 1	_____	63	_____	63
P 2	_____	66	_____	66
P 3	_____	69	_____	69
P 4	_____	72	_____	72
P 5	_____	75	_____	75
P 6	_____	78	_____	78
P 7	_____	81	_____	81
P 8	_____	84	_____	84
P 9	_____	87	_____	87
P10	_____	90	_____	90
P11	_____	93	_____	93
P12	_____	96	_____	96
P13	_____	99	_____	99
P14	_____	102	_____	102
P15	_____	105	_____	105
P16	_____	108	_____	108
P17	_____	111	_____	111
P18	_____	114	_____	114
P19	_____	117	_____	117
P20	_____	120	_____	120

Press.
1479
1494
1505
1514
1522
1527
1533
1539
1544
1548
1550

TKT # 15253

I



Company Petx Petroleum Corporation Lease & Well No. #1 McKenzie
 Elevation 1934 Ground Level Formation Marmaton Effective Pay -- Ft. Ticket No. 15253
 Date 9/21/82 Sec. 14 Twp. 30S Range 14W County Barber State Kansas
 Test Approved by Terry McLeod Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 4480' ft. to 4505 ft. Total Depth 4505 ft.
 Packer Depth 4475 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4480 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4494 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 4497 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor H-30 Drilling Rig #3 Drill Collar Length 180 I. D. 2 1/4 in.
 Mud Type premix Viscosity 43 Weight Pipe Length - I. D. - in.
 Weight 9.7 Water Loss 9.6 cc. Drill Pipe Length 4271 I. D. 3.8 in.
 Chlorides 12,500 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 410 Anchor Length 25 ft. Size 5 1/2 OD in.
 Did Well Flow? Yes Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout both flow periods. Gas to surface in three minutes on final flow period. See attached sheet for gas measurements.

Recovered 90 ft. of gas cut mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 6:50 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 10:20 ~~P.M.~~ ^{A.M.} Maximum Temperature 125°
 Initial Hydrostatic Pressure 2308 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 79 P.S.I. to (C) 79 P.S.I.
 Initial Closed In Period 48 Minutes (D) 1350 P.S.I.
 Final Flow Period 45 Minutes (E) 82 P.S.I. to (F) 82 P.S.I.
 Final Closed In Period 93 Minutes (G) 1550 P.S.I.
 Final Hydrostatic Pressure 2287 P.S.I. (H)

GAS FLOW REPORT

Date 9/21/82 Ticket 15253 Company Petx Petroleum Corporation
 Well Name and No. McKenzie Dst No. 1 Interval Tested 4480'-4505'
 County Barber State Kansas Sec. 14 Twp. 30S Rg. 14W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW					

Gas to surface in three minutes **SECOND FLOW**

5 min.	7" of water	1/2" orifice			16,700 CFPD
15 min.	7" of water	1/2" orifice			16,700 CFPD
25 min.	8" of water	1/2" orifice			17,200 CFPD
35 min.	9" of water	1/2" orifice			18,800 CFPD
45 min.	9" of water	1/2" orifice			18,800 CFPD

GAS BOTTLE

Serial No. Date Bottle Filled Date to be Invoiced 9/21/82

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Petx Petroleum Corporation
 Authorized by Terry McLeod

WESTERN TESTING CO., INC.
Pressure Data

Date 9/21/82 Test Ticket No. 15253
 Recorder No. 2607 Capacity 4150 Location 4494 Ft.
 Clock No. -- Elevation 1934 Ground Level Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2308	P.S.I.	6:50A	M
B First Initial Flow Pressure	79	P.S.I.	30	Mins. 30
C First Final Flow Pressure	79	P.S.I.	45	Mins. 48
D Initial Closed-in Pressure	1350	P.S.I.	45	Mins. 45
E Second Initial Flow Pressure	82	P.S.I.	90	Mins. 93
F Second Final Flow Pressure	82	P.S.I.		
G Final Closed-in Pressure	1550	P.S.I.		
H Final Hydrostatic Mud	2287	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>16</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>31</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	0	79	0	82	0	82
P 2	5	3	79	3	82	3	301
P 3	10	6	79	6	82	6	443
P 4	15	9	79	9	82	9	579
P 5	20	12	79	12	82	12	708
P 6	25	15	79	15	82	15	817
P 7	30	18	79	18	82	18	918
P 8		21		21	82	21	1004
P 9		24		24	82	24	1087
P 10		27		27	82	27	1145
P 11		30		30	82	30	1204
P 12		33				33	1249
P 13		36				36	1292
P 14		39				39	1329
P 15		42				42	1363
P 16		45				45	1387
P 17		48				48	1405
P 18						51	1420
P 19						54	1439
P 20						57	1454
						60	1469

WESTERN TESTING CO., INC.
Pressure Data

Date 9/21/82 Test Ticket No. 15253
 Recorder No. 2607 Capacity 41.50 Location _____ Ft.
 Clock No. -- Elevation 1934 Ground Level Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	2308 P.S.I.	Open Tool	6:50A	M
B. First Initial Flow Pressure	79 P.S.I.	First Flow Pressure	30 Mins	30 Mins.
C. First Final Flow Pressure	79 P.S.I.	Initial Closed-in Pressure	45 Mins	48 Mins.
D. Initial Closed-in Pressure	1350 P.S.I.	Second Flow Pressure	45 Mins	45 Mins.
E. Second Initial Flow Pressure	82 P.S.I.	Final Closed-in Pressure	90 Mins	93 Mins.
F. Second Final Flow Pressure	82 P.S.I.			
G. Final Closed-in Pressure	1550 P.S.I.			
H. Final Hydrostatic Mud	2287 P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	6		16		9		31	
	of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
	final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point	Press.	Point	Press.	Point	Press.	Point	Press.	
Minutes		Minutes		Minutes		Minutes		
P 1						63	1479	
P 2						66	1494	
P 3						69	1505	
P 4						72	1514	
P 5						75	1522	
P 6						78	1527	
P 7						81	1533	
P 8						84	1539	
P 9						87	1544	
P10						90	1548	
P11						93	1550	
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								



WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET

No. 15254

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1934 G.L. Formation Simpson Eff. Pay - Ft.

District Pratt Date 9/22/82 Customer Order No. -
COMPANY NAME Petr Petroleum Corporation 1616 Glenview Place
ADDRESS 1700 Security Life Bldg Denver, Co. 80202
LEASE AND WELL NO. McKenzie #1 COUNTY Barber STATE KS Sec. 14 Twp. 30 Rge. 14 W
Mail Invoice To Same #1 MCKENZIE No. Copies Requested 5
Co. Name Address
Mail Charts To Same No. Copies Requested 5
Address

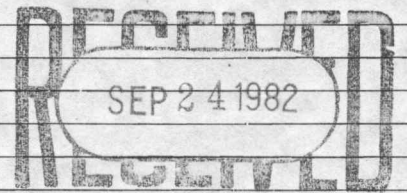
Formation Test No. 2 Interval Tested From 4613 ft. to 4652 ft. Total Depth 4652 ft.
Packer Depth 4608 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 4613 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4644 ft. Recorder Number 2607 Cap. 4150
Bottom Recorder Depth (Outside) 4644 ft. Recorder Number 3351 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor H-30 Rig #3 Drill Collar Length 180 I. D. 2 1/4 in.
Mud Type Premix Viscosity 45 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 11.2 cc. Drill Pipe Length 4404 I. D. 3.8 in.
Chlorides 14,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 in.
Jars: Make WTC Serial Number 410 Anchor Length 39 ft. Size 5 1/2 in.
Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 1/4 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout first flow period
Fair decreased to weak blow on second flow period

Recovered 40 ft. of Only Mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:



Time On Location 12:30 A.M. Time Pick Up Tool 2:00 P.M. Time Off Location 11:00 A.M.
Time Set Packer(s) 4:10 P.M. Time Started Off Bottom 7:40 P.M. Maximum Temperature 126°
Initial Hydrostatic Pressure (A) 2405 P.S.I.
Initial Flow Period (B) 30 Minutes (C) 73 P.S.I.
Initial Closed In Period (D) 45 Minutes (E) 105 P.S.I.
Final Flow Period (F) 45 Minutes (G) 73 P.S.I.
Final Closed In Period (H) 90 Minutes (I) 84 P.S.I.
Final Hydrostatic Pressure (H) 2383 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By: Jerry L. McLeod
Signature of Customer or his authorized representative

Western Representative: Jim Wondra Thank You

FIELD INVOICE

Open Hole Test \$ 675.00
Misrun \$
Straddle Test \$ 300.00
Jars \$
Selective Zone \$ 65.00
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$ 1040.00

WESTERN TESTING CO., INC.

Pressure Data

Date 9-22

Test Ticket No. 15254

Recorder No. 2607

Capacity 4150

Location 4641 Ft.

Clock No. -----

Elevation 1934 LL

Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2413</u>	P.S.I.	<u>4:10 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>79</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>79</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>107</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>80</u>	P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>80</u>	P.S.I.		
G Final Closed-in Pressure	<u>92</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2352</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>79</u>	0	<u>79</u>	0	<u>80</u>	0	<u>80</u>
P 2 5	<u>/</u>	3	<u>79</u>	5	<u>/</u>	3	<u>/</u>
P 3 10	<u>/</u>	6	<u>80</u>	10	<u>/</u>	6	<u>/</u>
P 4 15	<u>/</u>	9	<u>82</u>	15	<u>/</u>	9	<u>/</u>
P 5 20	<u>/</u>	12	<u>85</u>	20	<u>/</u>	12	<u>/</u>
P 6 25	<u>/</u>	15	<u>88</u>	25	<u>/</u>	15	<u>80</u>
P 7 30	<u>79</u>	18	<u>91</u>	30	<u>/</u>	18	<u>/</u>
P 8 35	<u>/</u>	21	<u>93</u>	35	<u>/</u>	21	<u>/</u>
P 9 40	<u>/</u>	24	<u>95</u>	40	<u>/</u>	24	<u>/</u>
P10 45	<u>/</u>	27	<u>97</u>	45	<u>80</u>	27	<u>80</u>
P11 50	<u>/</u>	30	<u>99</u>	50	<u>/</u>	30	<u>80</u>
P12 55	<u>/</u>	33	<u>101</u>	55	<u>/</u>	33	<u>/</u>
P13 60	<u>/</u>	36	<u>103</u>	60	<u>/</u>	36	<u>/</u>
P14	<u>/</u>	39	<u>105</u>	65	<u>/</u>	39	<u>/</u>
P15	<u>/</u>	42	<u>106</u>	70	<u>/</u>	42	<u>/</u>
P16	<u>/</u>	45	<u>107</u>	75	<u>/</u>	45	<u>80</u>
P17	<u>/</u>	48	<u>/</u>	80	<u>/</u>	48	<u>/</u>
P18	<u>/</u>	51	<u>/</u>	85	<u>/</u>	51	<u>/</u>
P19	<u>/</u>	54	<u>/</u>	90	<u>/</u>	54	<u>80</u>
P20	<u>/</u>	57	<u>/</u>	<u>/</u>	<u>/</u>	57	<u>81</u>
	<u>/</u>	60	<u>/</u>	<u>/</u>	<u>/</u>	60	<u>82</u>

cont.

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticket No. 15254

Recorder No. _____ Capacity _____ Location _____

Clock No. _____ Elevation _____ Well Temperature _____ °

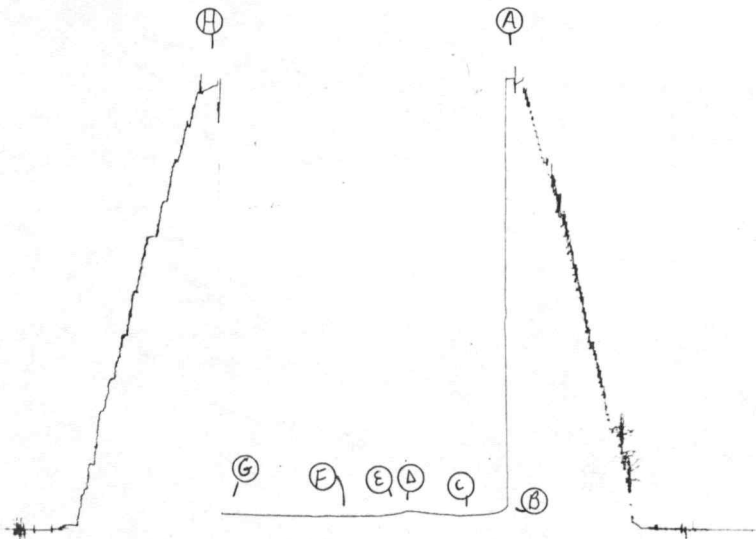
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool	_____ M	_____
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure	_____ Mins.	_____ Min
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure	_____ Mins.	_____ Min
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure	_____ Mins.	_____ Min
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure	_____ Mins.	_____ Min
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final Hydrostatic Mud _____	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	_____	63	_____	_____	_____	63	83
P 2	_____	66	_____	_____	_____	66	84
P 3	_____	69	_____	_____	_____	69	85
P 4	_____	72	_____	_____	_____	72	86
P 5	_____	75	_____	_____	_____	75	87
P 6	_____	78	_____	_____	_____	78	88
P 7	_____	81	_____	_____	_____	81	89
P 8	_____	84	_____	_____	_____	84	90
P 9	_____	87	_____	_____	_____	87	91
P10	_____	90	_____	_____	_____	90	92
P11	_____	93	_____	_____	_____	93	_____
P12	_____	96	_____	_____	_____	96	_____
P13	_____	99	_____	_____	_____	99	_____
P14	_____	102	_____	_____	_____	102	_____
P15	_____	105	_____	_____	_____	105	_____
P16	_____	108	_____	_____	_____	108	_____
P17	_____	111	_____	_____	_____	111	_____
P18	_____	114	_____	_____	_____	114	_____
P19	_____	117	_____	_____	_____	117	_____
P20	_____	120	_____	_____	_____	120	_____

TKT # 15254

I



Company Petx Petroleum Corporation Lease & Well No. #1 McKenzie
 Elevation 1934 Ground Level Formation Simpson Effective Pay -- Ft. Ticket No. 15254
 Date 9/22/82 Sec. 14 Twp. 30S Range 14W County Barber State Kansas
 Test Approved by Terry L. McLeod Western Representative Jim Wondra

Formation Test No. 2 Interval Tested from 4613 ft. to 4652 ft. Total Depth 4652 ft.
 Packer Depth 4608 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4613 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4641 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 4644 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor H-30 Drlg. Rig #3 Drill Collar Length 180 I. D. 2 1/4 in.
 Mud Type premix Viscosity 45 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 11.2 cc. Drill Pipe Length 4404 I. D. 3.8 in.
 Chlorides 14,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 410 Anchor Length 39 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout initial flow period. Fair decreased to weak blow on final flow period.

Recovered 40 ft. of drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 4:10 ~~A.M.~~ P.M. Time Started Off Bottom 7:40 ~~A.M.~~ P.M. Maximum Temperature 126°
 Initial Hydrostatic Pressure 2413 P.S.I. /
 Initial Flow Period 30 Minutes (B) 79 P.S.I. to (C) 79 P.S.I.
 Initial Closed In Period 45 Minutes (D) 107 P.S.I.
 Final Flow Period 45 Minutes (E) 80 P.S.I. to (F) 80 P.S.I.
 Final Closed In Period 90 Minutes (G) 92 P.S.I.
 Final Hydrostatic Pressure 2352 P.S.I. (H)

WESTERN TESTING CO., INC.
Pressure Data

Date 9/22/82 Test Ticket No. 15254
 Recorder No. 2607 Capacity 4150 Location 4641 Ft.
 Clock No. -- Elevation 1934 Ground Level Well Temperature 126 °F

Point	Pressure			Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>2413</u>	P.S.I.	Open Tool	<u>4:10P</u>	<u>M</u>
B. First Initial Flow Pressure	<u>79</u>	P.S.I.	First Flow Pressure	<u>30</u>	Mins. <u>30</u> Mins.
C. First Final Flow Pressure	<u>79</u>	P.S.I.	Initial Closed-in Pressure	<u>45</u>	Mins. <u>45</u> Mins.
D. Initial Closed-in Pressure	<u>107</u>	P.S.I.	Second Flow Pressure	<u>45</u>	Mins. <u>45</u> Mins.
E. Second Initial Flow Pressure	<u>80</u>	P.S.I.	Final Closed-in Pressure	<u>90</u>	Mins. <u>90</u> Mins.
F. Second Final Flow Pressure	<u>80</u>	P.S.I.			
G. Final Closed-in Pressure	<u>92</u>	P.S.I.			
H. Final Hydrostatic Mud	<u>2352</u>	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 30 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>79</u>	<u>0</u>	<u>79</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>80</u>
P 2	<u>79</u>	<u>3</u>	<u>79</u>	<u>5</u>	<u>80</u>	<u>3</u>	<u>80</u>
P 3	<u>79</u>	<u>6</u>	<u>80</u>	<u>10</u>	<u>80</u>	<u>6</u>	<u>80</u>
P 4	<u>79</u>	<u>9</u>	<u>82</u>	<u>15</u>	<u>80</u>	<u>9</u>	<u>80</u>
P 5	<u>79</u>	<u>12</u>	<u>85</u>	<u>20</u>	<u>80</u>	<u>12</u>	<u>80</u>
P 6	<u>79</u>	<u>15</u>	<u>88</u>	<u>25</u>	<u>80</u>	<u>15</u>	<u>80</u>
P 7	<u>79</u>	<u>18</u>	<u>91</u>	<u>30</u>	<u>80</u>	<u>18</u>	<u>80</u>
P 8		<u>21</u>	<u>93</u>	<u>35</u>	<u>80</u>	<u>21</u>	<u>80</u>
P 9		<u>24</u>	<u>95</u>	<u>40</u>	<u>80</u>	<u>24</u>	<u>80</u>
P10		<u>27</u>	<u>97</u>	<u>45</u>	<u>80</u>	<u>27</u>	<u>80</u>
P11		<u>30</u>	<u>99</u>			<u>30</u>	<u>80</u>
P12		<u>33</u>	<u>101</u>			<u>33</u>	<u>80</u>
P13		<u>36</u>	<u>103</u>			<u>36</u>	<u>80</u>
P14		<u>39</u>	<u>105</u>			<u>39</u>	<u>80</u>
P15		<u>42</u>	<u>106</u>			<u>42</u>	<u>80</u>
P16		<u>45</u>	<u>107</u>			<u>45</u>	<u>80</u>
P17						<u>48</u>	<u>80</u>
P18						<u>51</u>	<u>80</u>
P19						<u>54</u>	<u>80</u>
P20						<u>57</u>	<u>81</u>
						<u>60</u>	<u>82</u>

WESTERN TESTING CO., INC.
Pressure Data

Date 9/22/82 Test Ticket No. 15254
 Recorder No. 2607 Capacity 4150 Location 4641 Ft.
 Clock No. -- Elevation 1934 Ground Level Well Temperature 126 °F

Point	Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2413	P.S.I.	Open Tool	4:10P
B	First Initial Flow Pressure	79	P.S.I.	First Flow Pressure	30 Mins. 30 Mins.
C	First Final Flow Pressure	79	P.S.I.	Initial Closed-in Pressure	45 Mins. 45 Mins.
D	Initial Closed-in Pressure	107	P.S.I.	Second Flow Pressure	45 Mins. 45 Mins.
E	Second Initial Flow Pressure	80	P.S.I.	Final Closed-in Pressure	90 Mins. 90 Mins.
F	Second Final Flow Pressure	80	P.S.I.		
G	Final Closed-in Pressure	92	P.S.I.		
H	Final Hydrostatic Mud	2352	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 30 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	83
P 2						66	84
P 3						69	85
P 4						72	86
P 5						75	87
P 6						78	88
P 7						81	89
P 8						84	90
P 9						87	91
P10						90	92
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET No 15255

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 19346.6 Formation Simpson Sand Eff. Pay - Ft.

District Pratt Date 9/23/82 Customer Order No. -
COMPANY NAME Petx Petroleum Corporation 1616 Glenwood Place
ADDRESS 1700 Security Life Bldg Denver, Co. 80202
LEASE AND WELL NO. McKenzie #1 COUNTY Barber STATE Ks Sec. 14 Twp. 30 Rge. 14 W
Mail Invoice To Same #1 MCKENZIE No. Copies Requested 5
Co. Name Address No. Copies Requested 5
Mail Charts To Same Address No. Copies Requested 5

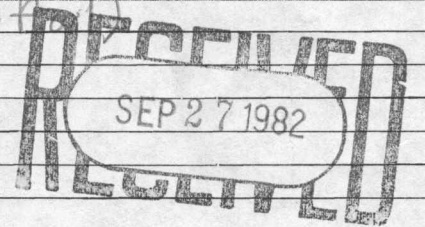
Formation Test No. 3 Interval Tested From 4706 ft. to 4730 ft. Total Depth 4730 ft.
Packer Depth 4701 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 4706 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4719 ft. Recorder Number 2607 Cap. 4150
Bottom Recorder Depth (Outside) 4722 ft. Recorder Number 3351 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor H-30 Rig #3 Drill Collar Length 180 I. D. 2 1/4 in.
Mud Type Premix Viscosity 48 Weight Pipe Length - I. D. - in.
Weight 9.6 Water Loss 15.2 cc. Drill Pipe Length 4497 I. D. 3.8 in.
Chlorides 16,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
Jars: Make WTC Serial Number 410 Anchor Length 24 ft. Size 5 1/2 OD in.
Did Well Flow? No Reversed Out Yes Surface Choke Size 3 1/4 in. Bottom Choke Size 4 1/2 FH in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout flow periods

Recovered 240 ft. of Gas Cut Muddy Water (Few specks of oil)
Recovered 2100 ft. of Gassy Salt Water (52,000 p.p.m.)
Recovered - ft. of
Recovered - ft. of
Recovered 2400 ft. of TOTAL FLUID
Remarks:



Time On Location 12:30 A.M. Time Pick Up Tool 1:00 P.M. Time Off Location 10:30 A.M.
Time Set Packer(s) 3:15 A.M. Time Started Off Bottom 6:45 P.M. Maximum Temperature 128°
Initial Hydrostatic Pressure (A) 2436 P.S.I.
Initial Flow Period (B) 30 Minutes (C) 254 P.S.I. to (C) 716 P.S.I.
Initial Closed In Period (D) 45 Minutes (E) 1405 P.S.I.
Final Flow Period (F) 45 Minutes (G) 872 P.S.I. to (F) 1123 P.S.I.
Final Closed In Period (H) 90 Minutes (H) 1405 P.S.I.
Final Hydrostatic Pressure (H) 2415 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made. All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By: [Signature]
Signature of Customer or his authorized representative

Western Representative: [Signature]
Jim Wondra Thank-You

FIELD INVOICE

Open Hole Test \$ 675.00
Misrun \$
Straddle Test \$
Jars \$ 300.00
Selective Zone \$ 65.00
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$ 35.00
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$ 1075.00

WESTERN TESTING CO., INC.

Pressure Data

Date 9-23 Test Ticket No. 15255
 Recorder No. 2607 Capacity 4150 Location 4719 Ft.
 Clock No. --- Elevation 1934 Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2458</u> P.S.I.	Open Tool	<u>3:15</u> P	<u>30</u> Mins.
B First Initial Flow Pressure	<u>258</u> P.S.I.	First Flow Pressure		<u>30</u> Mins.
C First Final Flow Pressure	<u>710</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1402</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>877</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>1129</u> P.S.I.			
G Final Closed-in Pressure	<u>1429</u> P.S.I.			
H Final Hydrostatic Mud	<u>2437</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 30 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>258</u>	0	<u>710</u>	0	<u>877</u>	0	<u>1129</u>
P 2 5	<u>260</u>	3	<u>1188</u>	5	<u>877</u>	3	<u>1307</u>
P 3 10	<u>344</u>	6	<u>1255</u>	10	<u>887</u>	6	<u>1331</u>
P 4 15	<u>454</u>	9	<u>1291</u>	15	<u>916</u>	9	<u>1343</u>
P 5 20	<u>549</u>	12	<u>1314</u>	20	<u>957</u>	12	<u>1355</u>
P 6 25	<u>629</u>	15	<u>1326</u>	25	<u>1001</u>	15	<u>1364</u>
P 7 30	<u>710</u>	18	<u>1339</u>	30	<u>1042</u>	18	<u>1371</u>
P 8 35		21	<u>1350</u>	35	<u>1074</u>	21	<u>1377</u>
P 9 40		24	<u>1358</u>	40	<u>1113</u>	24	<u>1383</u>
P10 45		27	<u>1366</u>	45	<u>1129</u>	27	<u>1389</u>
P11 50		30	<u>1374</u>	50		30	<u>1394</u>
P12 55		33	<u>1382</u>	55		33	<u>1399</u>
P13 60		36	<u>1389</u>	60		36	<u>1402</u>
P14		39	<u>1394</u>	65		39	<u>1405</u>
P15		42	<u>1399</u>	70		42	<u>1408</u>
P16		45	<u>1402</u>	75		45	<u>1410</u>
P17		48		80		48	<u>1412</u>
P18		51		85		51	<u>1414</u>
P19		54		90		54	<u>1416</u>
P20		57				57	<u>1418</u>
		60				60	<u>1419</u>

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WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 15255

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

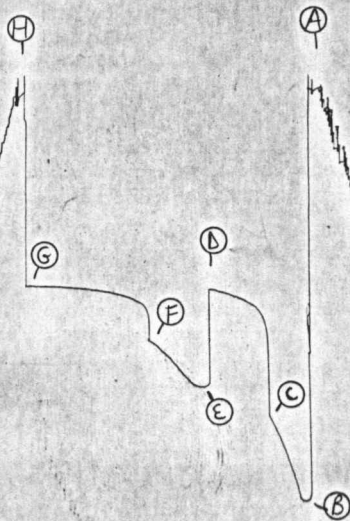
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool	_____ M	_____
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure	_____ Mins.	_____ Mins.
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure	_____ Mins.	_____ Mins.
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure	_____ Mins.	_____ Mins.
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final Hydrostatic Mud _____	P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In	
	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	_____	63	_____	63	1420
P 2	_____	66	_____	66	1421
P 3	_____	69	_____	69	1422
P 4	_____	72	_____	72	1423
P 5	_____	75	_____	75	1424
P 6	_____	78	_____	78	1425
P 7	_____	81	_____	81	1426
P 8	_____	84	_____	84	1427
P 9	_____	87	_____	87	1428
P10	_____	90	_____	90	1429
P11	_____	93	_____	93	_____
P12	_____	96	_____	96	_____
P13	_____	99	_____	99	_____
P14	_____	102	_____	102	_____
P15	_____	105	_____	105	_____
P16	_____	108	_____	108	_____
P17	_____	111	_____	111	_____
P18	_____	114	_____	114	_____
P19	_____	117	_____	117	_____
P20	_____	120	_____	120	_____

TKT # 15255

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Company Petx Petroleum Corporation Lease & Well No. #1 McKenzie
 Elevation 1934 Ground Level Formation Simpson Sand Effective Pay -- Ft. Ticket No. 15255
 Date 9/23/82 Sec. 14 Twp. 30S Range 14W County Barber State Kansas
 Test Approved by Terry L. McLeod Western Representative Jim Wondra

Formation Test No. 3 Interval Tested from 4706 ft. to 4730 ft. Total Depth 4730 ft.
 Packer Depth 4701 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4706 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4714 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 4722 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor H-30 Drlg. Rig #3 Drill Collar Length 180 I. D. 2 1/4 in.
 Mud Type premix Viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 9.6 Water Loss 15.2 cc. Drill Pipe Length 4497 I. D. 3.8 in.
 Chlorides 16,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 410 Anchor Length 24 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout flow periods.

Recovered 240 ft. of gas cut muddy water (few specks of oil)
 Recovered 2160 ft. of gassy salt water (Chlorides 52,000 ppm)
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 3:15 A.M. Time Started Off Bottom 6:45 P.M. Maximum Temperature 128°
 Initial Hydrostatic Pressure 2458 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 258 P.S.I. to (C) 710 P.S.I.
 Initial Closed In Period 45 Minutes (D) 1402 P.S.I.
 Final Flow Period 45 Minutes (E) 877 P.S.I. to (F) 1129 P.S.I.
 Final Closed In Period 90 Minutes (G) 1429 P.S.I.
 Final Hydrostatic Pressure 2437 P.S.I. (H)

WESTERN TESTING CO., INC.
Pressure Data

Date 9/23/82 Test Ticket No. 15255
 Recorder No. 2607 Capacity 4150 Location 4719 Ft.
 Clock No. --- Elevation 1934 Ground Level Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2458</u> P.S.I.	Open Tool	<u>3:15P</u>	<u>M</u>
B First Initial Flow Pressure	<u>258</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>710</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1402</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>877</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>1129</u> P.S.I.			
G Final Closed-in Pressure	<u>1429</u> P.S.I.			
H Final Hydrostatic Mud	<u>2437</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 30 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>258</u>	<u>0</u>	<u>710</u>	<u>0</u>	<u>877</u>	<u>0</u>	<u>1129</u>
P 2 <u>5</u>	<u>260</u>	<u>3</u>	<u>1188</u>	<u>5</u>	<u>877</u>	<u>3</u>	<u>1307</u>
P 3 <u>10</u>	<u>344</u>	<u>6</u>	<u>1255</u>	<u>10</u>	<u>887</u>	<u>6</u>	<u>1331</u>
P 4 <u>15</u>	<u>454</u>	<u>9</u>	<u>1291</u>	<u>15</u>	<u>916</u>	<u>9</u>	<u>1343</u>
P 5 <u>20</u>	<u>549</u>	<u>12</u>	<u>1314</u>	<u>20</u>	<u>957</u>	<u>12</u>	<u>1355</u>
P 6 <u>25</u>	<u>629</u>	<u>15</u>	<u>1326</u>	<u>25</u>	<u>1001</u>	<u>15</u>	<u>1364</u>
P 7 <u>30</u>	<u>710</u>	<u>18</u>	<u>1339</u>	<u>30</u>	<u>1042</u>	<u>18</u>	<u>1371</u>
P 8 _____		<u>21</u>	<u>1350</u>	<u>35</u>	<u>1074</u>	<u>21</u>	<u>1377</u>
P 9 _____		<u>24</u>	<u>1358</u>	<u>40</u>	<u>1113</u>	<u>24</u>	<u>1383</u>
P10 _____		<u>27</u>	<u>1366</u>	<u>45</u>	<u>1129</u>	<u>27</u>	<u>1389</u>
P11 _____		<u>30</u>	<u>1374</u>			<u>30</u>	<u>1394</u>
P12 _____		<u>33</u>	<u>1382</u>			<u>33</u>	<u>1399</u>
P13 _____		<u>36</u>	<u>1389</u>			<u>36</u>	<u>1402</u>
P14 _____		<u>39</u>	<u>1394</u>			<u>39</u>	<u>1405</u>
P15 _____		<u>42</u>	<u>1399</u>			<u>42</u>	<u>1408</u>
P16 _____		<u>45</u>	<u>1402</u>			<u>45</u>	<u>1410</u>
P17 _____						<u>48</u>	<u>1412</u>
P18 _____						<u>51</u>	<u>1414</u>
P19 _____						<u>54</u>	<u>1416</u>
P20 _____						<u>57</u>	<u>1418</u>
						<u>60</u>	<u>1419</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 9/23/82 Test Ticket No. 15255
 Recorder No. 2607 Capacity 41.50 Location _____ Ft.
 Clock No. --- Elevation 1934 Ground Level Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2458	P.S.I.	3:15P	M
B First Initial Flow Pressure	258	P.S.I.	30	30 Mins.
C First Final Flow Pressure	710	P.S.I.	45	45 Mins.
D Initial Closed-in Pressure	1402	P.S.I.	45	45 Mins.
E Second Initial Flow Pressure	877	P.S.I.	90	90 Mins.
F Second Final Flow Pressure	1129	P.S.I.		
G Final Closed-in Pressure	1429	P.S.I.		
H Final Hydrostatic Mud	2437	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1420
P 2						66	1421
P 3						69	1422
P 4						72	1423
P 5						75	1424
P 6						78	1425
P 7						81	1426
P 8						84	1427
P 9						87	1428
P10						90	1429
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							